

Converting Colors

XYZ(24.3858, 21.8821, 16.1714)

Have a look what the booklet for
XYZ(24.3858, 21.8821, 16.1714)
contains.

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Color

**XYZ(24.3381, 21.8693,
16.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	A47669
RGB	164, 118, 105
RGB Percent	64%, 46%, 41%
CMY	0.3569, 0.5372, 0.5882
CMYK	0.00, 0.28, 0.36, 0.36
HSL	13°, 24%, 53%
HSV	13°, 36%, 64%
XYZ	24.3381, 21.8693, 16.3030
YIQ	130.2720, 31.5890, 5.7090

Conversions

Conversions Part 2

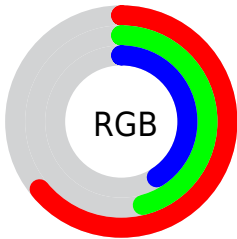
Format	Color
RYB	164, 122, 105
Decimal	10778217
CIELab	53.89, 16.26, 14.29
CIElCh	54, 21.654, 41.311
Yxy	21.8693, 0.3893, 0.3499
Android (android.graphics.Color)	4288968297 (0xFFA47669)
YUV	130.2720, -12.4591, 29.5795
Hunter-Lab	46.7646, 11.0601, 12.0657

Details

The XYZ color **24.3381, 21.8693, 16.3030** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.5928, 27.8158, 39.2476**, and the grayscale version is **21.3498, 22.4617, 24.4608**.

A 20% lighter version of the original color is **49.8907, 46.3654, 37.7724**, and **9.4474, 7.9412, 5.0379** is the 20% darker color. If you saturate the color by 10%, you get **22.1702, 18.7549, 11.8151**, and if you desaturate by 10%, it is **26.8738, 25.4590, 21.7160**.

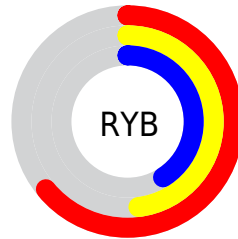
Distribution



Red (64%)

Green (46%)

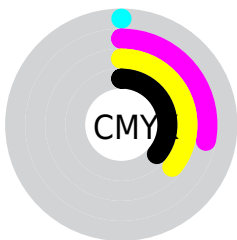
Blue (41%)



Red (64%)

Yellow (48%)

Blue (41%)

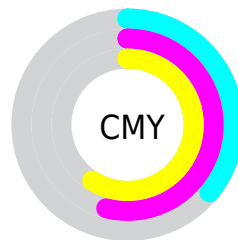


Cyan (0%)

Magenta (28%)

Yellow (36%)

Black (36%)



Cyan (36%)


Magenta (54%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3381, 21.8693, 16.3030 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 24.3381, 21.8693, 16.3030 by changing the saturation by 10% instead.


 24.3381, 21.8693,
16.3030


 24.3381, 21.8693,
16.3030


266.9342,
261.8630, 243.0295


 15.7107, 13.7609,
9.5821


 50.0320, 46.5299,
37.8975


 9.4092, 7.9546,
5.0208


 67.8293, 63.8509,
53.6083

 5.0683, 4.0659,
2.2005


 89.4139, 85.0115,
73.1527

 2.3226, 1.7105,
0.6747

 115.1512,
110.3961, 96.9494

 0.8062, 0.4304,
0.0000

145.4065,
140.3892, 125.4169

 0.0000, 0.0000,
0.0000

180.5452,

175.3751, 158.9737

220.9327,
215.7382, 198.0384

■ 24.3381, 21.8693,
16.3030

■ 24.3381, 21.8693,
16.3030

■ 22.1702, 18.7549,
11.8151

■ 26.8738, 25.4590,
21.7160

■ 20.3509, 16.0926,
8.1989

■ 29.7920, 29.5398,
28.1008

■ 18.8618, 13.8620,
5.3974

■ 33.1085, 34.1305,
35.5025

■ 17.6818, 12.0397,
3.3464

■ 36.8378, 39.2480,
43.9630

■ 16.7873, 10.5999,
1.9718

■ 40.9936, 44.9083,
53.5218

■ 16.1491, 9.5131,
1.1746

■ 45.5890, 51.1270,
64.2165

■ 15.9452, 9.1631,
0.9283

■ 50.6366, 57.9189,
76.0827

■ 56.1483, 65.2981,
89.1546

■ 62.1357, 73.2784,
103.4649

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4986, 21.8693, 21.3818



24.3381, 21.8693, 16.3030



22.2558, 21.8693, 13.6041

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.3381, 21.8693, 16.3030



16.8226, 21.8693, 19.9308



21.6777, 21.8693, 38.7485

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.3381, 21.8693, 16.3030



23.5928, 27.8158, 39.2476

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.3826, 21.8693, 38.1600



24.3381, 21.8693, 16.3030



16.6933, 21.8693, 26.4196

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.3381, 21.8693, 16.3030



17.9652, 21.8693, 15.4124



17.5977, 21.8693, 33.3316



23.8878, 21.8693, 34.8147

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.3381, 21.8693, 16.3030



20.6837, 21.8693, 13.1456



17.5977, 21.8693, 33.3316



20.8888, 21.8693, 39.0898

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.3387, 21.8703, 16.3034



56.8560, 57.4756, 57.1789



25.9651, 20.2373, 31.9083



12.2644, 12.3361, 12.1318



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3387, 21.8703, 16.3034



41.0404, 35.1972, 23.0736



28.3376, 29.8683, 17.6364



7.1945, 7.3274, 7.4152



12.2563, 7.0865, 0.7219



0.2894, 0.2126, 0.0258

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.5928, 27.8158, 39.2476



39.4720, 47.5487, 70.8498



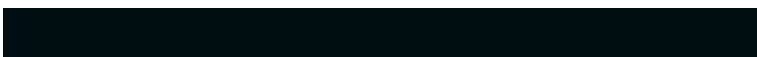
19.4515, 19.5334, 37.8672



7.1431, 7.7451, 9.0216



11.0782, 13.9358, 29.0358



0.2639, 0.3550, 0.6205

Previews

White Background



This preview shows how the XYZ color 24.3381, 21.8693, 16.3030 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.3381, 21.8693, 16.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

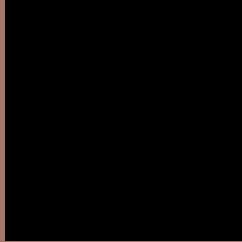
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3381, 21.8693, 16.3030

Background



This preview shows how black text looks on a background with the XYZ color 24.3381, 21.8693, 16.3030.



This preview shows how white text looks on a background with the XYZ color 24.3381, 21.8693,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.3381, 21.8693, 16.3030

Protanopia

20.8181, 22.0605, 17.9127

Deuteranopia

22.2840, 21.8988, 16.1491



Tritanopia

25.4947, 21.8237, 21.9375

Trichromacy



Original Color

24.3381, 21.8693, 16.3030

Protanomaly

21.8944, 21.8609, 17.2530

Deuteranomaly

22.9758, 21.8871, 16.1104

Tritanomaly

24.9733, 21.7745, 19.7163

Monochromacy



Original Color

24.3381, 21.8693, 16.3030

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.0674, 22.0530, 21.1827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3381, 21.8693, 16.3030 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(164, 118, 105)` looks like.

```
.text, #text, p{  
    color:rgb(164, 118, 105)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(164, 118, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 118, 105) }
```

Border

The CSS property to change the border of an element to XYZ 24.3381, 21.8693, 16.3030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 118, 105) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(164, 118, 105) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(164, 118, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 118, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 118, 105);  
box-shadow:4px 4px 4px 4px rgb(164, 118,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3381, 21.8693, 16.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 118, 105) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(164,  
118, 105) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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